



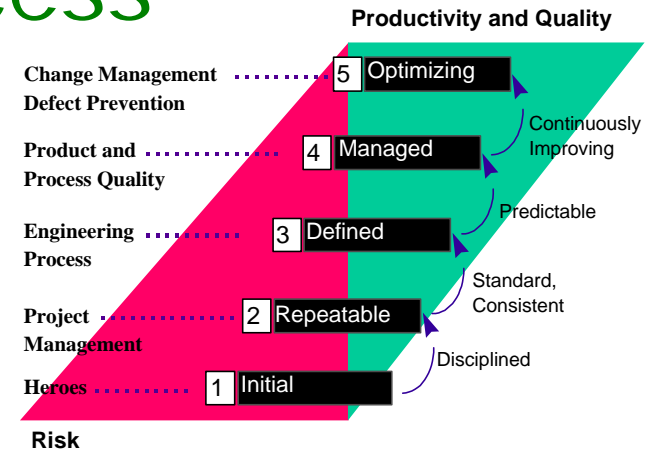
System Development Life Cycle

Executive Overview

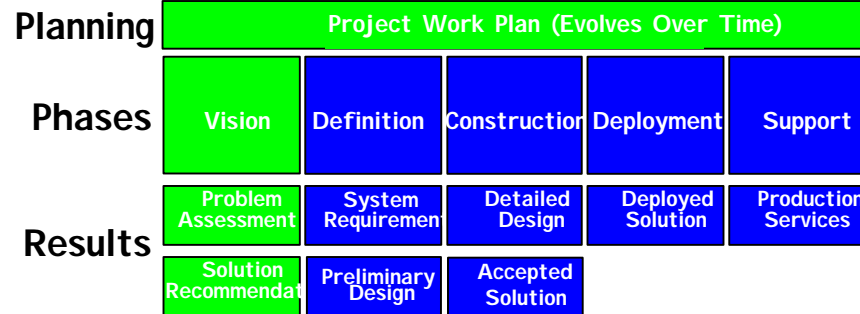
February 26, 2001

We are Building on Success

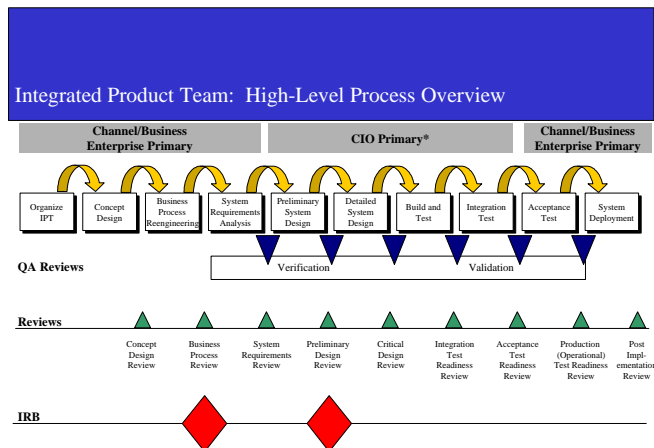
CMM

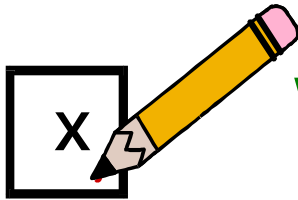


SDLC



IPT

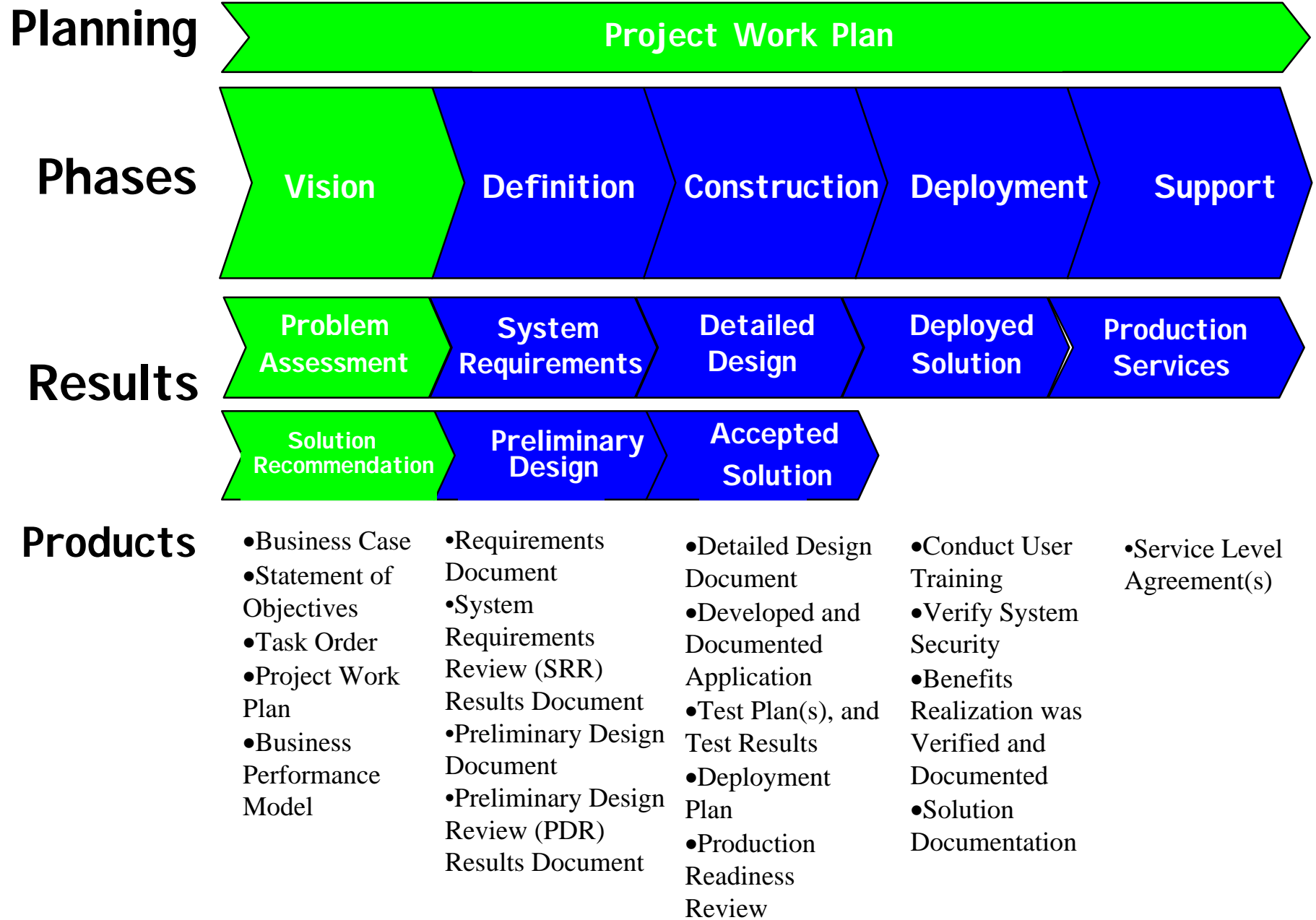




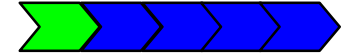
We have developed...

- SDLC Process Guide
(Intranet, CIO, Technology Handbook)
- Deployment Plan
- Executive Overview Presentation

SDLC Process



SDLC Process – Vision Phase



Objective:

- Conduct assessment of the business issue / opportunity;
- Recommend solution in a Business Case;
- Form IPT to begin planning the solution.

Processes/Products

Entry Criteria

- Business need or opportunity identified;
- Member of the SFA Management team identified to guide and oversee the Vision Phase.

- Business Case; *
- Statement of Objectives (SOO); *
- Task Order; *
- IPT Formation;
- Project Work Plan *, including
 - Budget;
 - Roles and Responsibilities;
 - Work Breakdown Structure (WBS)
 - Schedule/Resources;
 - Risk Management Plan;
 - Quality Management Plan;
 - Communications Plan;
 - Configuration Management Plan;
- Business Performance Model; * and
- Project Status Reports.*

* Sample provided in Process Guide

Exit Criteria

- Business Case has been developed and approved by IRB;
- SOO has been issued;
- Task Order has been awarded;
- IPT has been formed;
- Business Performance Model and Project Work Plan have been developed by IPT and approved by Executive Sponsor.

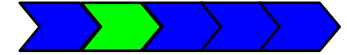
Groups Involved

Investment Review Board (IRB)
Decision Support Group (DSG)
Executive Sponsor
Executive Steering Committee

Integrated Product Team (IPT)
CIO ECAD
CIO IT Services
CIO IT Management

IT Representative
Subject Matter Experts (SME)
System Security Officer

SDLC Process – Definition Phase



Objective:

Establish and document the requirements and designs necessary to develop, test, and deploy the solution that will provide the benefits as outlined in the Business Case.

Entry Criteria

- Business Case has been developed and approved by IRB;
- SOO has been issued;
- Task Order has been awarded;
- IPT has been formed;
- Business Performance Model and Project Work Plan have been developed by IPT and approved by Executive Sponsor.

Processes/Products

- Updated Business Case; *
- Updated Project Work Plan; *
- Updated Business Performance Model; *
- Requirements Document;*
- Preliminary Design Document; * and
- Project Status Reports.*

* Sample provided in Process Guide

Exit Criteria

- Business Case, if updated, has been approved by IRB;
- Work Plan has been updated;
- Quality Plan has been approved by QA Manager;
- Business Performance Model, if updated, has been approved by Executive Sponsor;
- Requirements and Preliminary Design Documents have been developed by IPT and approved by Executive Sponsor.

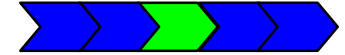
Groups Involved

Executive Sponsor
Executive Steering Committee
IPT
CIO ECAD

CIO IT Services
CIO IT Management
ITR
SMEs

Systems Security Officer

SDLC Process – Construction Phase



Objective:

Develop and test a solution that meets the requirements defined in the Definition Phase, as well as the approved Business Case.

Entry Criteria

- Business Case, if updated, has been approved by IRB;
- Work Plan has been updated;
- Quality Plan has been approved by QA Manager;
- Business Performance Model, if updated, has been approved by Executive Sponsor;
- Requirements and Preliminary Design Documents have been developed by IPT and approved by Executive Sponsor.

Processes/Products

- Detailed Design Document; *
- Developed, Tested and Accepted Solution, including source, object and execution code, if applicable;
- System Test Plans; *
- System Test Results; *
- Production Readiness Review (PRR) has been conducted; and
- Project Status Reports.*

* Sample provided in Process Guide

Exit Criteria

- A Detailed Design Document has been developed and approved by the Executive Sponsor;
- A developed and tested solution, including source, object, and execution code, has been accepted by the Executive Sponsor; and
- PRR has been conducted and sign-offs obtained.

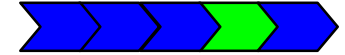
Groups Involved

Executive Sponsor
Executive Steering Committee
IPT
CIO ECAD

CIO IT Services
CIO IT Management
ITR
SMEs

Systems Security Officer

SDLC Process – Deployment Phase



Objective:

Deploy the developed solution into production for utilization by the user community.

Entry Criteria

- A Detailed Design Document has been developed and approved by the Executive Sponsor;
- A developed and tested solution, including source, object, and execution code, has been accepted by the Executive Sponsor; and
- PRR has been conducted and sign-offs obtained.

Processes/Products

- Deploy Solution;
- Conduct User Training;
- Service Level Agreements; and
- Project Status Reports.*

* Sample provided in Process Guide

Exit Criteria

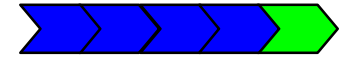
- Solution has been successfully deployed;
- Applicable training has been conducted; and
- Arrangements have been made with the organization(s) responsible for operating and maintaining the solution (SLAs have been established).

Groups Involved

Executive Sponsor
IPT
CIO IT Services
Systems Security Officer

Executive Steering Committee

SDLC Process – Support Phase



Objective:

Provide operational and maintenance support for the deployed solution.

Entry Criteria

- Solution has been successfully deployed;
- Applicable training has been conducted; and
- Arrangements have been made with the organization(s) responsible for operating and maintaining the solution (SLAs have been established).

Processes/Products

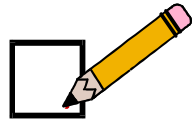
- Provide operations and maintenance support to deployed solution;
- Provide performance reports to CIO for deployed solution; and
- Close IPT.

Exit Criteria

- Solution is retired

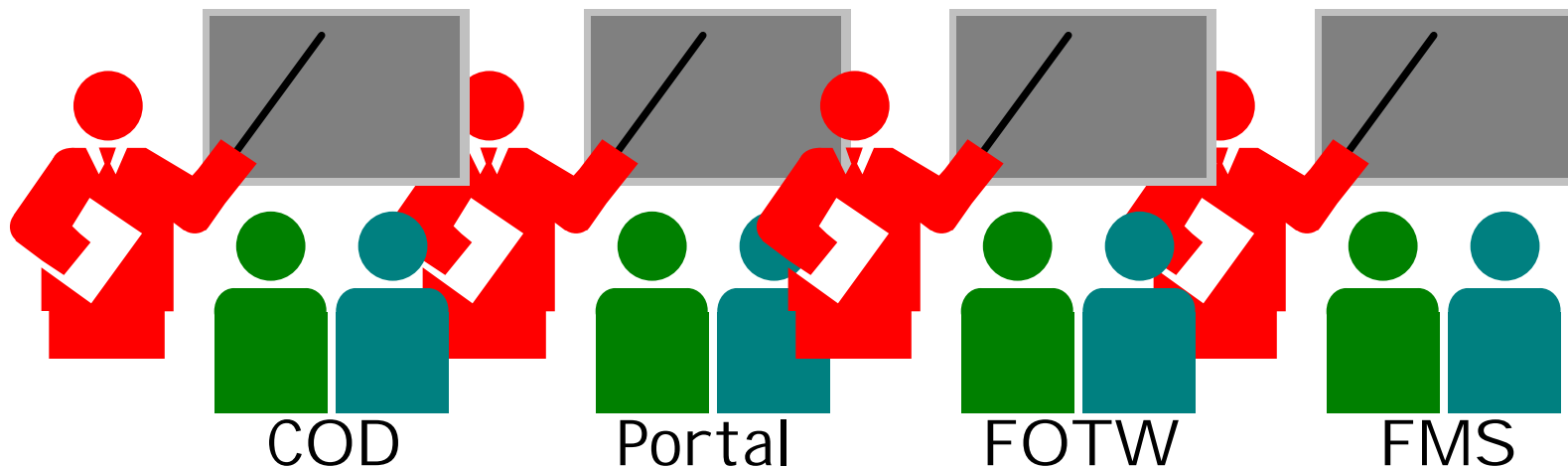
Groups Involved

Executive Sponsor
CIO IT Services
Systems Security Officer

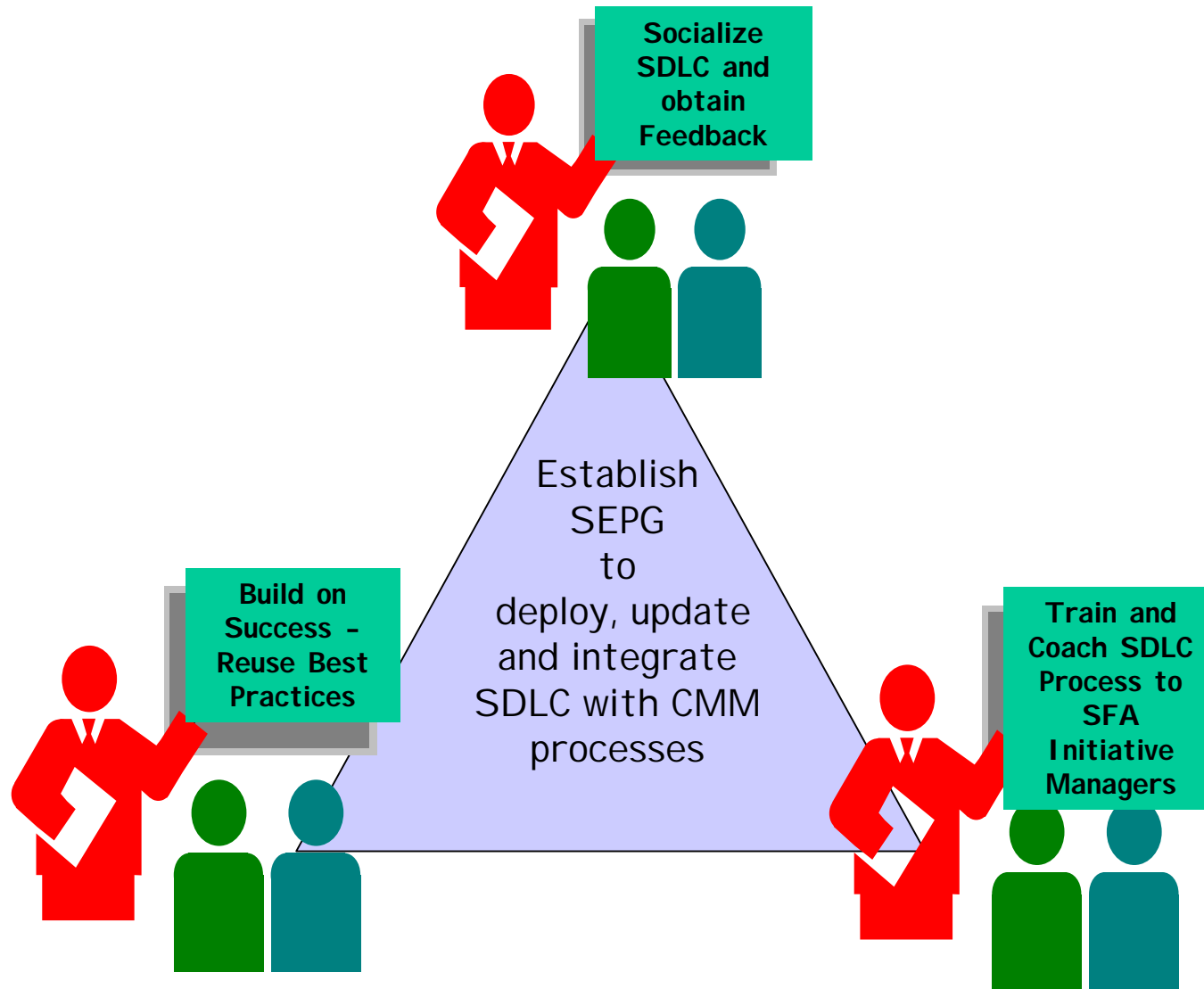


Our 2001 - Planned Activities

- Deploy the SDLC Process
- Develop and deliver SDLC training
- Develop and deploy CMM processes

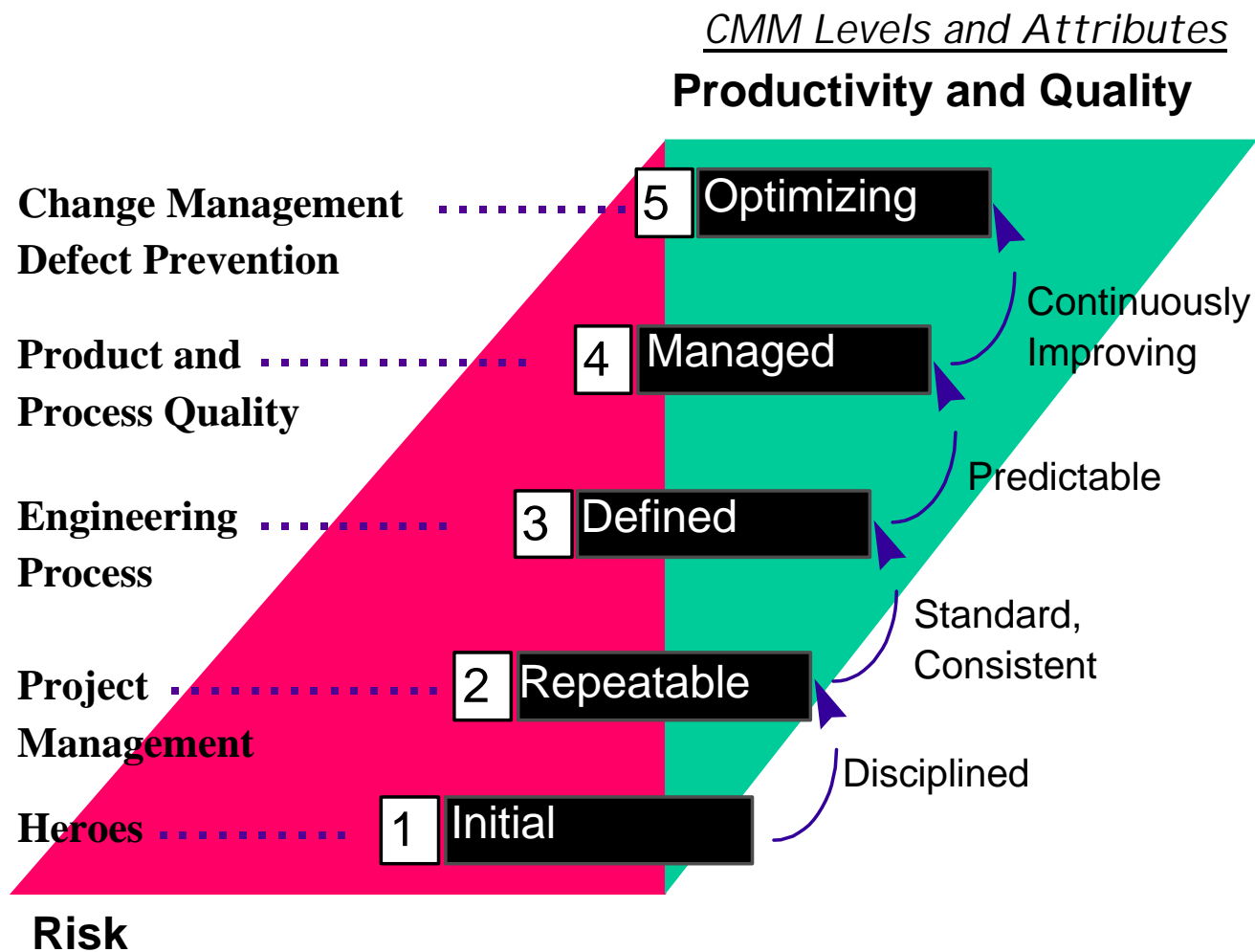


Deployment Approach



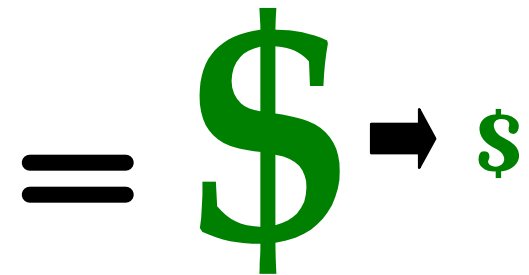
Develop and Deploy CMM Processes

Taking the Mystery out of Software Development



Benefits to Your Projects

- Clarified scope, requirements and delivery commitments;
- Improved predictability of development initiatives;
- Standard review framework for SDLC activities;
- Greater visibility of project progress for business owners;
- Improved quality and stability of delivered systems.

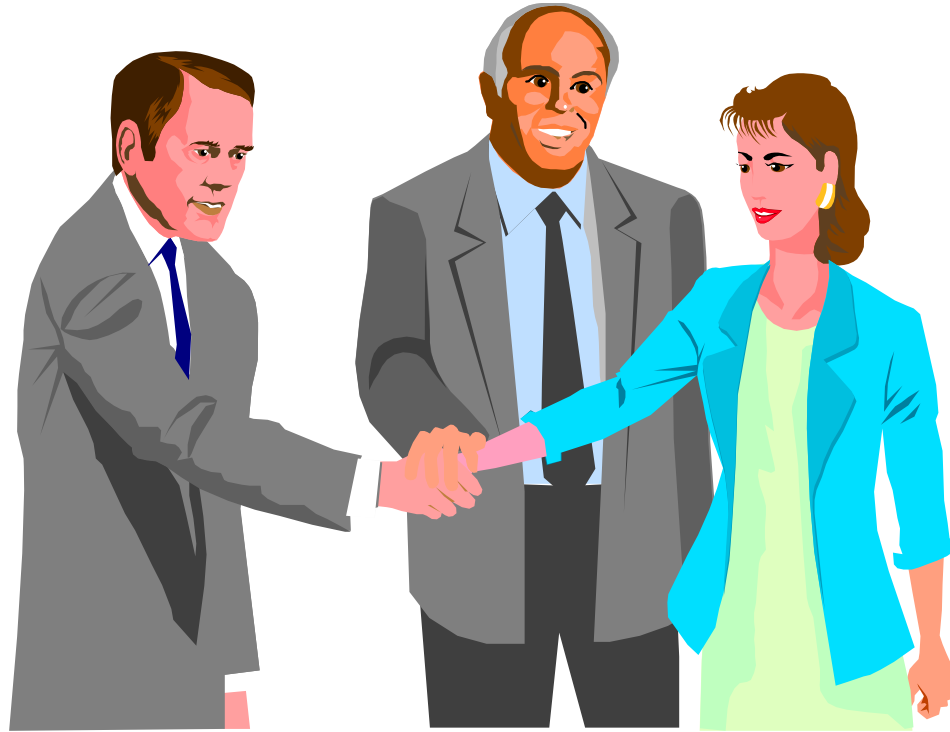


Reduced SFA
Development,
Deployment and
Maintenance Costs

We need your help!

- Sponsorship, Advocates and Champions
- Guide the pace of change for your projects
 - Determine need and applicability of the SDLC
 - Support Buy-in and adoption in project plan
- We need participation in the process improvement effort
 - SEPG membership
 - Stakeholder input and reviews
- Continuous involvement and communication

Can we count on your support?



What are your concerns and recommendations?